H

Belleville Nov. 21st 1874

My Dear Sir.

I am very sorry that I have overlooked your letter so long. My neglect was unintentional as I completely lost sight of your ~~letter~~ it.

I can give you none of the species you ask for. I collected a good stock of C. montana and W. hyperborea on Lake Superior in 1869. but the greater part of the specimens went to Mr. Watt of Montreal. Who furnished the money to pay expences.

I have never seen B. boreale nor do I know where it is to be had. David A. P. Watt of Montreal is the only man in the country can give you these specimens at present.

I have duplicates of A. munitum and fragrans but no others of those you want except A. viride

I propose going to Lake Superior on a collecting tour next year if I can raise funds enough. I would guarantee 1000 specimens of the following species for $100.

Aspidium spinulosum var. dilatatum
" fragrans
Woodsia glabella
" hyperborea
Cystopteris montana
Botrychium simplex
" Lunaria
" matricariaefolium

and doubtless some others which are reported from that region. I will collect mosses grasses, carices and every thing that is rare. Should any of your friends wish to enter into such an arrangement you might let me know.

I may be able to get a specimen of C. montana during the winter; if so I will send it to you.

I remain
Yours truly
John Macoun

P. S. I have never seen a plant like the drawing. There are a number of curious forms of Botrychiums around Lake Superior. I detected a different form every time I went to a new locality.

A few forms of B. simplex look extremely like the smaller form. It is extremely probable that B. boreale will be found around the lake yet as the rocks are almost identical with those of the Scandinavian Mountains.

J. M.

Ferns. Cystopteris Montana.
Woodsia hyperborea, Glabella, & probably
Oregana & scopulina.
Aspidium fragrans
Botrychiums Lunaria, simplex, & matricariefolium

4

Belleville Jan. 9th 1875.

My dear Sir.

I am in receipt of your note of Dec. 21st and state in reply as follows.

Your conditions are not too stringent and I appreciate the motive which impels you to be more careful of others interests than you would be of your own.

I shall enter into the matter more fully now than I did in my last. In addition to ferns I collect all orders. On my last trip I obtained many rare Mosses, Liverwort, Carices, Grasses and Flowering plant besides Ferns.

I want to make no money by my trip. Like yourself, I have certain tastes and to gratify them I would give my time (vacation) but the money which ought to support my family I cannot take. I wish to spend six weeks or two months next ~~year~~ summer on the north

shore of Lake Superior if I can sell enough of my collections to pay my expences. I will now give my plan. I shall ask for no money until the specimens are delivered but you will guarantee that I shall get my pay at the rate of ten cents a specimen, for ferns eight for flowering plants, Carices & grasses and five for mosses and Liverwort. It being understood that I shall not send, of any species, more than is ordered and will not get pay for more than I send.

I have no doubt but that I could get a box of roots as well as the dried specimens. I will leave the terms with yourself at present but I have no doubt but that I can get all you want.

Dr. Hooker gave five guineas towards my last trip but got no roots. I sent him three boxes of the roots of orchids this fall, with which he was highly delighted.

Woodsia Scopulina & Origana are said to grow on Isle Royale if so I shall get those likewise.

I am almost certain to discover new forms as I know many localities which have not been botanized.

Last summer Mrs. Roy gave me a list of flowering plants which you desired to get. I have misled it and cannot tell what plants you wanted. Send on another list and I will give you anything I have got. I have very good specimens of A. fragrans & viridis which I shall send after I hear from you again.

Very truly yours

John Muir.

73 Carex pallescens
74 " scirpoidea
75 " vaginata
76 " borealis
77 " vulgaris
78 Calamagrostis Langsdorffii
79 " Lapponica
80 " stricta
81 " arenaria
82 Stipa Richardsonii
83 " spartea
84 Oryzopsis Canadensis
85 Graphephorum melicoides
86 Poa alpina
87 Elymus mollis
88 Equisetum pratense
89 " palustre
90 " litorale
91 Lycopodium Selago
92 Selaginella selaginoides
93 Isoetes riparia
94 " lacustris
95 Dryas Drummondii
96 Besides fully 100 species of rare mosses and liverworts.

See end of letter for list of ferns

List of rare plants I can collect on the North shore of Lake Superior.

1 Anemone multifida
2 " parviflora
3 Arabis patrea
4 Draba nemorosa. This is the Draba which Agassiz
5 could not name in 1848.
6 Viola palustris
7 " lanceolata
8 Drosera linearis
9 Arenaria gracilis
10 Sagina nodosa
11 Ceanothus ovalis
12 Rubus Nutkanus
13 Rosa stricta
14 Ribes oxycanthoides
15 Parnassia palustris
16 " parviflora
17 Saxifraga Aizoon
18 Epilobium paniculatum.
19 Oenothera chrysantha
20 Lonicera involucrata
21 " ——— ?
22 Viburnum pauciflorum
23 Aster graminifolius

23 Erigeron acris
24 Diplopappus ——— ?
25 Solidago Virga-aurea
26 Hetianthin tuberosus ?
27 Tanacetum Huronense,
28 Artemisia Canadensis
29 Erisimum Pitcheri
30 Campanula rotundifolia var linifolia
31 Vaccinium uliginosum,
32 " Pennsylvan. var angustifolius
33 Primula farinosa
34 " Mistasinica
35 Utricularia intermedia
36 Pinguicula vulgaris
37 Dracocephalum parviflorum
38 Mertensia paniculata
39 Phacelia Franklinii
40 Physalis grandiflora
41 Halenia deflexa
42 Rumex salicifolius
43 Rumex acetosa
44 Cornandra livida
45 Pinus Banksiana
46 Juniperus Sabina var. procumbens
47 Cypripedium passerinum
48 Iris lacustris
49 Trillium erectum var. declinatum
50 Tofieldia glutinosa
51 Allium Schœnoprasum
52 Luzula parviflora var. melanocarpa
53 Juncus Vaseyi
54 Eleocharis tenuis
55 Scirpus cæspitosus
56 " sylvaticus
57 Eriophorum alpinum all the spikes
58 Carex alpina
59 " anitata
60 " atrata
61 " aurea var androgyna
62 " Backii
63 " canescens
64 " capillaris
65 " chordorhiza
66 " Crawei
67 " flexilis
68 " gynocrates
69 " Houghtonii
70 " Hookerii
71 " Liddonii
72 " lenticularis

Accept my thanks for the interest you took in getting up the funds for my proposed trip to the Lake and as a slight token of my appreciation of your kindness I shall put you down for a set of ferns on my return.

I rejoice with you to learn that your little ones have regained their usual health. I, too, have five little ones depending on me and I know something of a parent's feelings when the shadow of death hovers around our homes.

I shall send the plants by way of Owen Sound. I may not be able to furnish many but I have you will receive. I shall send a small specimen of C. montana from Cariboo. I expect to collect it in abundance this summer.

(see inside)

H

1

Belleville, Ontario.
March 15th. 1875.

My dear Sir,

I have delayed answering your kind letter until it was definitely settled whether I was going to British Columbia this summer or not. I have been appointed botanist to the Expedition which is intended to explore the Rocky Mountain passes north of Lat. 54° – a region which is positively a terra incognita to the botanical world. I start for San Francisco four weeks from today and shall spend nearly a month in Vancouver before proceeding up the country.

The contemplated trip to Lake Superior will therefore have to be given up this season but I shall go next year if all is well.

It is barely possible that I may get a few rare ferns in my absence. Should this be the case I shall try and supply the desiderata of a few of your friends, especially Mr. Booth. Tell him I have not forgotten his past kindness and shall see that he gets the Carex & grasses at any rate.

Yours truly

John Macoun.

Belleville Nov. 25th 1876

My dear Sir,

Please try and excuse my in-
-excusable remissness in not answer-
-ing your note long before this.
I am so busy preparing my report
of last year's journey that I some-
times forget all about the letters
I receive.

I obtained a large number
of specimens of Botrychium simplex
a few hundred yards above Fort
William at the mouth of the Kam-
-inistikwia river west of Lake Superior
July 12/89. Since then I have never
been at the same spot and never de-
tected the same species anywhere else.

I am sending a ~~x~~ smoke box
of Mosses to Prof. James and in it
I send a few specimens of B. Lunaria

and B. ternatum the former from west of the Rocky Mountains, the latter from the Saskatchewan plains.

I collected a few ferns in the Cascades but it being early spring when I passed through there I did not collect many specimens. Pellaea dense, Woodsia Oregana, Scolopendrium platylla, & Ilvensis, Gymnogramma triangularis, Cryptogramma acrostichoides & Aspidium fragrans are the most prominent forms I obtained.

B. Lunaria, Virginicum, ternatum, A. Londchitis, Minimum, Spinulosum var. dilitatum, Filix Mas, various Asplenium, Lonaria Spicant and a number of common things were noted also Cheilanthes lanuginosa. After Christmas I would be pleased to make an exchange of a few ferns or what would suit me better exchange for herbarium paper from Salem. I have a large number of fine specimens of western mosses and flowering plants I would exchange his the same way.

I have sent the best specimen I have left of B. simplex. Only another small specimen remains with me, It has the same form but is much smaller.

Hoping the specimen may be useful to you.

I remain

dear Sir

truly yours

John Macoun.

Belleville
Dec. 23d 1878

My dear Sir,

I this day forward to New York with instructions to forward at once to you a small parcel containing both forms of Mountains. I send the last specimens I have. I also forward a number of other forms from the west coast which may be interesting. I also send a few other forms with the localities given. Should there be any thing interesting drop me a line.

If the Government send out an expedition to Hudson's Bay next year I expect to go, If they do not I want to carry out my design of going to Lake Superior for two months. Could any subscribers be obtained in Boston?

I send this parcel by Express to the Address of Addison Brown Esq 233 E. 48th St. Our Post Office Authorities allow nothing over 8 oz. to pass to the United States so it was cost 20¢ a to send that way.

Yours truly
John Macoun

Geological Survey of Canada,
George M. Dawson, C.M.G., LL.D., F.R.S.,
DEPUTY HEAD AND DIRECTOR,
Museum and Offices, Sussex Street, Ottawa.

Feb. 8th 1897

My Dear Sir.

Your letter of the 2nd inst. came in due time and in answer I send by this mail all my mounted specimens of the form you speak of. I have no duplicates now as I have not collected this form for some years.

You will notice the date at which the specimens were collected and so can make comparisons by the amount of maturity of the specimens when collected. You will also notice the wide range of country the form covers and how much it varies. Should you find any specimens that you think are not exactly the form they are supposed to represent write in pencil or otherwise on the sheet.

When you are through with the specimens please return them.

Very sincerely Yours
John Macoun

Mr. George E. Davenport
67 Valley St
Medford
Mass.

GEOLOGICAL SURVEY OF CANADA,
George M. Dawson, C.M.G., LL.D., F.R.S.,
DEPUTY HEAD AND DIRECTOR,
MUSEUM AND OFFICES, SUSSEX STREET, OTTAWA.

April 15th 1897

Dear Mr. Davenport

Your note and the specimens came to hand today. I thank you very much for the specimens of the new species and after this will be on the alert for Aspidium simulatum, Daven.

I am very glad that you had all our specimens of B. ternatum var. lunaroides; as your examination settles the question with us. When your article is published I will be very glad to get it.

Next autumn I will have a look for the plant in this vicinity. I hardly think we have it here but it may turn out to be much of our A. Novaboracense.

Very sincerely yours
John Macoun

GEOLOGICAL SURVEY OF CANADA,
George M. Dawson, C.M.G., LL.D., F.R.S.,
DEPUTY HEAD AND DIRECTOR,
MUSEUM AND OFFICES, SUSSEX STREET, OTTAWA.

May 10th 1897

Dear Mr. Davenport.

I have read your article on Botrychium ternatum var. lunaroides with very great interest. I believe I can throw some light on Milde's reference to Lake Superior.

In July 1869 David A. P. Watt of Montreal employed me to collect plants especially ferns around Lake Superior. The material I obtained at that time went to him and I have no doubt but that a part of it is in his possession now.

I collected Equisetum littorale at the same time. It is just possible that Mr. Watt did not collect his plant at Montreal and that mine collected in a pasture at Fort William on the bank of the Kaministiquia Rim is the original locality. It was collected between July 15th & 24th 1869. I had no communication with Milde but Mr. David Watt who was then an active botanist had.

Very truly yours
John Macoun

OFFICE OF
HALL & GARRISON,
Manufacturers of All Descriptions of
Nos.
928, 929, 930, 931 & 932
Mouldings, Ovals and Mirror Frames,
North Third Street

Philadelphia, June 24th 1872.

Friend Davenport:

The box of plants also your letter came safely to hand a few days ago the plants were all right and are doing well with the exception of the Myosotis one of the Sedums they seem a little backward but I think I will coax them along. I would have written to you sooner but have waited until I could say more to you about the plants I intend to get you, I was out yesterday and got three specimens of a rare little fern which I have planted will keep a day or two as my friend Nelson said he would go out to day & get me some

specimens of the adder tongue
send them to me, he also will
try & get me some specimens of
the asplenium bisectum & the
asplenium dissectum these are
all rare things especially the
small one I got yesterday this
is the only known station for
it. and they all grow just in
one little spot there was no
more than 24 plants altogether
I took three of them and Mr
Nelson has made promise not to
reveal the place or to destroy the
station, although I can tell you
it is found on the east banks of the
Schuylkill above Columbia bridge
the name of it I cannot send you
just yet as I do not know it
myself, the adder tongue Mr Nelson
says is not in fruit yet, however
I will send it as soon as I get
it, my kindest regards to
Hastings, I hope he will not
allow the great Boston Pandemonium
to set him crazy. Yours &c J. Mair

in New England, although it may be common —

Do you have painted cup where you live? that grows near here and buck bean and I never saw either of these in Waltham —

But I will run on no further and bore you —

Thank you for your favorable opinion of the article — it was written for another purpose and was not exactly the thing for the Visaucript but I sent it to the Editor after reading a conversation in that paper from

[illegible]

[illegible]

[illegible] and to reply to your questions in Tuesday's [illegible] —

Until last year, for six years I have lived in Waltham and have always found the dog-tooth violet usually on April 20th —, it grows almost in Charles river — this spring was remarkably backward and possible the flowers would not appear quite so early but I feel confident

the woods until after the rest of
the flowers. I generally found
the flowers with buds and the
first opened before May 1st.
Last year I found the
Arbutus in the first day of
May in Dracut and as
nearly as I remember we
always gathered the trilliums,
I mean the nodding trilliums, a
week or so after the Blood
roots in Waltham. I never
saw the painted trilliums
growing and I am in hopes
to come upon some some
time. I never saw any
Fall orchis -

Possibly you are as far
away from Poetic as Iowa
now and that may
account for our disagreement as
daily for all my observations have
been made in that state
and I think as we approach
the seacoast the season is
earlier -

The neighborhood about
Waltham and Waverly is
remarkably fruitful in
wild flowers - Arethusa,
Calopogon pulchellus, Pogonia
ophioglossoides, all grow
in Waltham and actually
flaunting their dreadful
names, are beautiful
flowers and not common.
I have found the variegated
Pipsissewa in the woods
on Mt Prospect and I
never have read of it
growing anywhere else.

"Cambridge" and he published it.
I should like to know
where the Parilea trilliums
grow and it may ~~not~~
be that similarie I can
get where they are.

Very truly Yours
Erik Sandham

Reading Mass Jan 2 1887

Mr Geo A Davenport
Medford Mass

Dear Sir

I send packages of Black Spruce cone, from three trees, two new taken albums, some cones from two trees at the Arnold Arboretum and the cone cones and sequoia are from a tree in Wilmington.

I did not send any seeds have looked from the cones as are, unexpected by me, will be able to send enough for your work.

Yours truly

Arthur F Manning

WARREN H. MANNING,
BROOKLINE, MASS.

Oct. 24th 1895

Dear Mr Davenport

I am so sorry to hear that you have again been afflicted with sickness. I hope you will recover more than your accustomed health for your own sake and for the sake of the work you are interested in. I will send you seeds from as I have collected this summer, not many, for I have not been out much. I am away so much that I can give but little time to the Flora so have been unable to follow up those who are interested in the work. I think the species Mr Williams refers to is the same that Mr Rich sent from the Blue Hills for the both collected from a pool on Pine Tree Brook Labor Day. I hardly think you should wait for others to send in material but work up what you have and what you know about. I do not know when I can see you. I was home over two days last week & so if again this I will be away most of the time until Dec I expect.

I asked Mr Jackson, your son in law to let me hear from him once in a while I also suggested a line of work for him to take up. I did not hear from him & called your daughters attention to this fact one day when I was in your store. As I did not hear from him after this I presumed he had given up all idea of taking up with any work that I could offer. If he had followed me up closely, he would have had a chance to get some opening by this time for I am frequently getting places with young men. Ask him to follow me up & let me know what he has been doing in the lines that I suggested.

Your friend
Warren H. Manning.

I. F. MANSFIELD,
CANNEL AND BITUMINOUS COALS.

Prof. Geo. E. Davenport.
Boston Mass.

Dear Sir: Cannelton, Beaver Co., Pa. Aug 23 1881

By request of Mr. Andrews of Beaver, have forwarded you 12 specimens of our fossil plants - As we have over 600 species found here - will only give you a small idea of our collection.

Yours truly
I. F. Mansfield

I. F. MANSFIELD,
Cannel and Bituminous Coals.

H

Cannelton, Beaver Co., Pa.,

July 17th 1883.

Prof. Geo. E. Davenport.
Medford Mass.

Dear Sir:

In looking over my last number of Proceedings of American Philosophical Society find your contribution on the distribution of Ferns, with account of list of species in State &c. Below find list viz:

Polypodium vulgare
Asplenium ebeneum
" thelypteroides
" felix-femina
Camptosorus rhizophyllus
Phegopteris hexagonoptera

I. F. MANSFIELD,

Cannel and Bituminous Coals.

Cannelton, Beaver Co., Pa.,

..... 1883.

Aspidium Phelypteris
" Noveboracense
" Goldianum
" Cristatum
" Spinulosum
" Marginale
" Acrostichoides
Cystopteris fragilis.
Onoclea sensibilis
Osmunda Cinnamomea
" regalis
" Claytoniana
Botrychium Virginianum
Adiantum Pedatum
Pteris aquilina
Cystopteris bulbifera

I. F. MANSFIELD,
Cannel and Bituminous Coals.

Cannelton, Beaver Co., Pa.,

..... 1883.

Phegopteris polypodioides.
Woodsia obtusa.
Aspidium Filix-mas
" Boottii.

These 26 ferns were all gathered on the rocky banks and bare lands along Little Beaver River in this County by my mother Lois. Mansfield in years 1878–1881. They have all been received by Prof. Lesquereux who visited here parts of two seasons in examining my Fossils Plants.

Very Respy
Yours
I. F. Mansfield

No. 1209.

JOHN GILL, *President.* ISRAEL W. HEULINGS, *Vice-President.*
ISAAC C. MARTINDALE, *Cashier.*

National State Bank,

Camden, N. J., 6/2 1883

Dear Friend:

Can thee give me the present address of Pringle & Co? I have no memoranda before me as to cost of supplement, I enclose stamps if not sufficient will add thereto.

Yours
I C Martindale

132 Main street,
Oneida, N. Y.
Aug. 23, 1897.

Mr. G. E. Davenport,

My dear Sir,

I am very greatly obliged to you for your kind and comprehensive reply to my letter of recent date. By this mail I send another fern. Is it the same thing I sent the other day, i.e. Aspidium Boottii Tuckerman? If it is not will you please tell me what it is? It was collected near by the other specimen at the same time. I desire to keep the specimen I

send this time. I enclose return postage for same and hope not to cause you too much trouble by its return to me.

I am glad to have an expression from you upon bifurcation in Ferns; and I have myself contributed quite a number of original instances of this phenomenon to the Linn. Fern. Bull.

If I am unable to have access to Am. Bot. Bull. for '79 here I may later avail myself of your offer to have me=lecture some article copied.

I lately have rec'd an interesting a/c of the Owen Sound locality of Scolopendrium.

I thank you for the extracts upon <u>teratum</u>. I am going to look my specimens over more closely.

Again thanking you for your several kindnesses to me I have the honor to remain

Very sincerely yours,

Wm R. Mason

H

1005 East Genesee Street,
Syracuse, New York

Mr. George E. Davenport,

My dear Sir,

I am very glad to have your letter of 27 ult regarding nomenclature of Scolopendrium and thank you for it. However I cannot see the error in naming a section from the formerly comprehensive genus Asplenium Phyllitis; especially since it is provided to retain the distinctive specific title, scolopendrium (L). But to make generic titles from specific and thus create the need of new specific names seems to me most useless and perplexing. I am frank to say that my knowledge on the subject is extremely limited.

I am very grateful to you for your reply and hope you will make allowances for my unsatisfied state of mind.

Very cordially
Wm R. Maxon.

Jan 8. 1918.

gives the fern it a much more extended range than I had thought probable, and I am enough interested to inquire as to the identity of Mr. Rouse's specimens, which were, I believe, seen by you.

Very sincerely yours,

Will R. Maxon

Jan. 17, 1899.

U.S. National Museum,
Washington, D.C.

Mr. George E. Davenport,

Dear Sir,

Mr. F. P. Rouse found several specimens of an Adiantum apparently Capillus-Veneris in New York State a year or two ago, as I remember it. And I should like to know whether or not you are convinced that this is their proper determination. The recent discovery of this fern among the Black Hills

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM

S. P. LANGLEY
SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., March 10th, 1900.

Mr. George E. Davenport,
67 Fellsway West,
Medford, Massachusetts.

Dear Mr. Davenport,

I have been very glad to learn, through Mr. Gilbert, that there is a considerable likelihood of your being present at the June Fern Meeting in Central Park. I sincerely hope that you may be able to do so. The present indications are that we shall have a very interesting program indeed.

I want to ask you if you have ever known of the identification (since other than of Professor Eaton's specimen) of Asplenium plephorodes which was described and figured in Zoe I, 197. 1890. (pl. VII). I have recently had some material which matches it in certain characters, but is very distinct from it, — referable to the western "A. Trichomanes incisum". This I have given the specific

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S. P. LANGLEY
SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C.,

2

name "*aesketinum*" which so far as I know, has never been used. I have had about a dozen sheets and as many more living plants of it, and I do not understand why it has been so long allowed to the variety *vicinum*. It is really most distinct. If you so desire I can send you some living seeds of it.

Very sincerely yours,

William R. Maxon

V

SMITHSONIAN INSTITUTION

UNITED STATES NATIONAL MUSEUM

S. P. LANGLEY
SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., March 16, 1900.

Dear Mr. Davenport,

I am receiving proof of my list; and several questions with regard to range have come up in which I should like to have your assistance, if without considerable inconvenience to yourself. Primarily I wish to enquire whether you admit the correctness of Miss Cooley's determination of D. Boottii from Southern Alaska. See Bull. Torr Club 19: 246. 1892. I am informed by her that her specimens are packed away. We have none You may have material from Alaska, and if so I should like to include Alaska within the range. I have a slight recollection that Meehan reported it from the there also. -----I have the mere entry "Phegopteris alpertris", Wisconsin." No clue as to authority etc. I do not believe in the authenticity of the record, and shall not include unless I can find out definitely as to its occurrence. -------How far into the "northwest territory" does Selaginella apus range? I have no definite data regarding its occurrence there. ----- Will you be good enough to give me the ranges of Ch. viscida, and Ch. Cooperae by counties? or simply by localities if that is easier. --I remember seeing in the Columbia herbarium a sheet of Pellaea

marginata about which there was some doubt as to locality. It was supposed to have come from California, which would extend the range, I think. Have you a record of its occurrence in the U. S. outside of Arizona? ----- These are the points about which I am at sea in correcting my proof. If you can find time to reply within a day or so after hearing from me I shall be able to use the information and shall be greatly indebted to you. My list will I think be able to supply some extensions of ranges for you in your work on the book. If I did not expect to be able to reciprocate in some such way I should hardly have the face to send in such a flood of queries to you.

Very sincerely ours,

William A. Maxon

I am not using the term "Northwest Territory" in defining range, but am giving the range of the province.

W.A.M.

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM

S. P. LANGLEY
SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., March 30, 1900.

Dear Mr. Davenport,

I have received your letter of the 29th inst., and thank you sincerely for your kindness in cautioning me to "make haste slowly" in the matter of Asplenium vespertinum. I have tried to go into the matter very carefully, and now think I have a most excellent species in the ordinary San Diego "incisum". I have discussed it quite fully in my paper, which will appear in the Bulletin Club. April, 1900. By that time I hope to have sent you some new material (which is, however, identical with the ordinary San Diego specimens) and I shall be very glad to have your further opinion upon it.

Very sincerely yours,

William R. Maxon.

132 Main street, Oneida. New York.

Dear Mr. Davenport,

Your letter of the 10th has been forwarded to me here, where I shall be until the 24th of this month. I thank you for the return of the MS of Owen's communication, which will, I think, be read at the New York meeting and published with the other papers.

I think you will be interested in my paper on the Stars' tongue, as to its distribution in U.S. I have been to much pains to get together all the relevant facts, with the result that I have a pretty long paper. However, I shall excise some of it. I sincerely trust that you may be able to attend the meeting on the 27th, — at least to participate if not to present a formal paper. "Notes and Exhibition of Specimen" should include many things of interest, — providing members come all primed.

I shall hope to meet you week after next.

Very sincerely yours,

William R. Maxon.

June 13th, 1901.

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM

S. P. LANGLEY
SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., Sept. 23, 1900.

Dear Gen. Brainerd,

Some time ago Mr. Rose asked me to lay aside Schott's Yucatan ferns as I came across them in the Herbarium. I have done so, and happening across the Field Columbian Museum publication which contains your list — they should be enabled to pick out the rest, if you still desire the lot. Kindly let me know, and I will have them sent to you at once. In several cases they do not agree with the numbers cited by you.

There, since the Hypsometing, been to the Havana station for chenopodium. There can, I think, be no question of its reproduction by spores; but I am by no means convinced that it is not a hybrid. There is nothing impossible in it being a fertile hybrid. I shall have something to say about it soon and am looking up a few references. — In the March 1880 (Vol. VII, p. 24) Bull. Torr. Club, Rusby quotes Berkeley on hybridity of chenopodium. Can you tell me where Berkeley expressed his views on the question of this genus hybridity. I have never

Rumour, and shall be extremely grateful if you can set me on the right track.

Dear, very truly yours

Wm Thomson.

I have by simply opening Edison I. & found the Anthony Wireless Telegraph. It never occurred to me before!

SMITHSONIAN INSTITUTION

UNITED STATES NATIONAL MUSEUM

S. P. LANGLEY
SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., October 22, 1900.

Mr. George E. Davenport,

67 Fellsway West,

Medford, Massachusetts,

Dear Mr. Davenport,

Your letter of the 3d inst. was duly received and should have been answered before. I have since directed to you the specimens of Athyrium, Acrostichum and the Schott Yucatan collection, in all some fifty or more specimens. They will be sent very shortly.

At the time the Botrychium is sent I expect to enclose also Phyllitis from Tennessee, Trichomanes Petersii from Black Creek Falls and Asplenium ebenoides from Alabama. I have lately received a fime package of nearly fifty choice British varieties from Mr. Druery. We expect to grow these in the greenhouses of the Department of Agriculture, and if th there are any sorts which you would like the spores for propogation purposes I think I could arrange to share them with ya you.

I regret that I can not give you the address of the persa who had the fern photographs at the New York Meeting. If

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SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C.,

you happen to recall the name very likely I could supply the address.

Very sincerely yours,

William Dallas

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SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., Dec. 15/901.

Dear Mr. Dannenbaum,

Your letter of the 10th was duly received and I ~~return~~ for it & thank you.

Regarding the cristata Dickesonii, I hope you have not given me such a "bad berth" as to think I regarded your note as "interfering"! Quite the contrary! I was much interested in reading it, and wondered if I had not in the first place been hasty in describing it myself, when you knew it years before. If I remember correctly I did ask Mr. Fletcher if you weren't willing to describe it yourself at the time I published it. As to crediting you over name of the T. Pelzeni because that is unavoidable according to the Harvard method.

I have made inquiries and find that the sheets etc. were sent on the 13th. You probably have them by this time. I regret that I was unable to send more of the sheets, but you have it from them, of course, from other collectors. I think you will be delighted with the T. Pelzeni sent. I considered it very fine.

Believe me,

Very sincerely yours,

William Ringoen.

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SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., January 24/1901

Ven. George E. Davenport,
Medford, Mass.

My dear Mr. Davenport,

I am again writing to enquire whether you have happened across the citation for Cheilanthes lanuginosa Colani (Baker) Davenport. I am not able to locate it myself as yet, and am anxious to find it in order to incorporate it in my check list soon to come out. Can you give me an opinion about the sheet I sent you labelled Polystichum scopulinum? My own idea has been that it is a good species, and Prof. Underwood has been strongly that opinion as well. I think I have written, thanking you for the copy of Rhodora containing the new variety of Asplenium platyneuron, but am not sure. It is a most interesting form. I suppose it never occurs fertile. It is curious how that sort of development is always accompanied by lacking fertility, or rather a loss of fertility. It is true of that Adiantum called by

Bunges var. *vangiferinum*. It is only the common western form (which in the copy is easily distinct from the eastern, though perhaps not specifically) gone sterile, or in part sterile. Dr. Underwood has been paying some attention to the western "pedalium", and will, I think, publish on it shortly. I have some notes I shall send him, - and I should not be surprised if he regards all that western material as a species distinct from the eastern. Have you been inclined to accept McCord's var. *triangulare*?

We have received material of L. a. var. *proscum* f. *polyclavatum*, and it appears to be merely a monstrosity. I have it from New Jersey, - from Lighthipes' collection, I think.

Sincerely yours,

Jerry McCracken

I trust this will find you quite restored to good eyesight.

M. Ely.

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SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., March 25, 1901.

Mr. George E. Davenport,
67 Fellsway West,
Medford, Massachusetts.

Dear Mr. Davenport,

The photographs of Botrychium pumicola have been duly received, and we thank you sincerely for sending them. They have been mounted on a herbarium sheet and have been placed in the Herbarium along with the type specimens.

I have also your postal of the 22d relating to the validity of celsa as a subspecies of D. goldiana. Until recently I doubted the correctness of Mr. Palmer's conclusions, never having gone into the matter very carefully. But a short time ago he went over his private material very carefully with me, and gave me his reasons for so disposing of the plant. (Have you seen his original description?) Since then, however, I have been looking pretty carefully at the material of floridana. Underwood collected what he called the latter at Auburn, Alabama, and I presume you have his specimens.

We

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WASHINGTON, D. C.,

We have not. Last summer Pollard and I collected in the same spot at Auburn the plant which Underwood had determined as floridana. (Prof. Earle took us to the exact spot.) It may be that species, but it represents a very different form of it, if it is the same thing. One point in which it differs especially is: the color and texture of the chaff. I have never seen either clintoniana or Florida specimens of floridana in which the scales were otherwise than flaccid and concolorous. The Auburn plant however is like Palmer's from the Dismal Swamp in having the scales of rather thick texture and showing the decidedly marked contrast of two colors so characteristic of goldiana. I do not think it the same as Palmers plant, but it differs ~~from~~ both from floridana as commonly understood and from clintoniana. I am rather anxious to send on our material for you to look over if you are willing to do so. I have thought that perhaps floridana may not be specifically distinct, but in the uncertainty have thought best to leave it as it is now generally regarded. Shall I send a bundle of this material for you to see?

Very sincerely yours
Jas. Ellanson

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SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., April 1st, 1901.

Mr. George E. Davenport,
67 Fellsway West,
Medford, Massachusetts.

Dear Mr. Davenport,

I have selected the specimens of Dryopteris which you have agreed to look over, and will send them to you later in the day. They should reach you by the middle of the week.

I have page proof of my list, and the following points have come up which are not fully covered in its ranges. Does P. ornithopus occur outside of California? Does C. rhizophyllus occur in Maine? Does A. pedatum occur in Texas? Does P. atropurpurea occur in any of the New England states besides Vermont and Massachusetts? So far as I know the answer to all of these queries is in the negative. I should like to know how far to the middle-west Athyrium acrostichoides is known to extend. Georgia, Alabama, Illinois and Minnesota are its limits in the south and west, so far as I know.

I think I shall not be troubling you again now, and I

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WASHINGTON, D. C.,

shall endeavor to offer some return for the several favors you have granted me, as opportunity offers.

Very sincerely yours,

William R. Maya

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SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., April 15/901

Dear Mr. Dunerstat,

I have just come across an error in my proof that makes me lose patience with myself. It is this: The citation

"Selaginella Beauv. Prodr. Aethog. 101. 1805"

is only partially correct. From Pritzel I find that this "Prodromus" was published in the Magasin encyclopedique (Paris) 1805, vol. 5. 4 L. 07 8 So that the citation should read (probably) something like this,

"Selaginella Beauv. Mag. Encyc. 5: . 1805"

The page of course I do not know.

There are only 4 files of this magazine in North America, and my chum is at the Boston Public Library. I am writing to ask you to step in and look up the page reference for me. Vol. 5 4 is probably correct, and 1805 is probably the year, as Pritzel says.

Beauvois also published the species Selaginella

on p. 112 of the "Prodromus"; will you tell what page this is in the serial?

These are ~~the~~ my two references in the ~~later~~ Prodromus. ~~and~~ I don't see how I came to overlook the fact that the Prodromus is a ~~it~~ separate, and is probably reprinted.

I shall have to hold up proofs till I hear from you; consequently shall be glad of an early reply. Proofs already except for this.

Yours in haste

W. Rimmer

Prodrome d'Ichtyologie
[illegible] – Stéganolle – [illegible] (Ichtyologie)
[illegible]

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MEMORANDUM

H

1

Dear Mr. Davenport,

Every last copy of my list is gone. A new edition has been ordered, and I have asked to have a copy sent you as soon as possible, so you will eventually receive one for the Society. I have only my own desk copy left; I regret not being able to send a copy at once.

I think I have never acknowledged the receipt of your note of the 26th of May, in which you refer to my list in a kindly way. Of course I realized that the nomenclature adopted would find little support from yourself; but I am glad to have your favorable comment on the list from other points of view. I am sorry that one or two

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MEMORANDUM

2

errors should have crept in; but you may be sure it was no easy bit of work to hunt out all the references and to verify them. Oreopteris Robertianum was made by A. Braun in Ascherson; as I readily find now. How I came to overlook it is more than I know.

According to Gray's Man. B. simplex occurs in Md. I overlooked that. I omitted the common name of the Ostrich fern. L. clavatum has been collected in Md. by Waters. The common name of Selag. lepidophylla is also omitted. In addition to the above addition to range I am sending a few of my distribution cards which may be of use to you. Whenever you have looked them over I should like them again.

Referring to a postal received some time ago (and very partly answered by me): I think Mr. E. J. Applegate

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MEMORANDUM

3

would probably not have specimen of B. punicola. His address is Klamath Falls, Klamath Co., Oregon. He was, I think, merely Mr. Coville's assistant at that time.

That serial containing Selaginella and S. spinosa is an awfully mixed up affair. It ran over a hundred "volumes" in 4 or 5 years! Without being able to look into it more carefully I thought it unwise to change the usually well known "Prodr. Aethiop." to an ~~abs~~ uncertain reference. I am very greatly obliged to you for looking look it up however.

I think I have some more material of "D. Floridana" coming

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MEMORANDUM

4/

from Georgia, which would be of extreme interest. Had you heard Woolson's finding ~~some~~ ebenoids in Vermont? Waters from Baltimore certainly show the proper amount of variation for a sure-enough hybrid, and that is exactly what I have been waiting for. I hope he writes it up fully. Does Miss Slosson get definite results in this yet.

Yrs Merritt L. Fernald

Aug. 8/01.

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S. P. LANGLEY
SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., Nov. 8/91.

Mr. G. E. Davenport,
Medford, Massachusetts.

Dear Mr. Davenport,

Dr. Edward Palmer is trying to complete a list of species founded on his botanical collections; and he has asked me to assist in running down the fern species. D. C. Eaton's A. araneosum, N. aurantiaca and C. palmeri; and Bates N. palmeri are the only ones we have come across. Can you add others? If you have leisure in the next week or two to look into the matter, I am sure Dr. Palmer would be greatly obliged.

I am ashamed to think how long your last letter has lain unanswered; I hope to reply soon.

Yours very sincerely

Wm R. Maxon

Also G. subcordata Eaton & Davenp.

National Museum,
Washington, D.C.

Dear Mr. Davenport,

I have been working over the Polypodium subpetiolatum aggregate at odd times, and am about ready to publish my notes. I want, however, to see the Catalogue by Hall on Shiebright's Chiapas Collection. Have you a copy of this; and if so, will you loan it to me? I enclose a frank. Dr. Underwood has a copy, but he's in Jamaica and I can't get at his.

Sincerely Yours,

Wm R Maxon

Jan. 29/903

V

Dear Mr. Davenport,

I have been working over Dr Palmer's collection from Mexico last year and there are some fine things among them: Cheil. meifolia (which is indeed the most beautiful fern I know); P. Martensii; beautiful examples of A. resilens; Woodsia Mexicana; that extreme Mexican form of the P. aquilina group which I take to be P. Feei Schaffn.; Selag. Pringlei; what I take to be the true N. crelacea Liebm. etc.

I am writing for the property engraving about Pringles 1978 (Selaginella sp.) coll. in 1888 near Monterey and his no. 3296 coll. in 1890 in the State of San Luis Potosi. Dr. Palmer has the same thing from Los Canos, San Luis Potosi, and it is not very closely related to S. sacchanata apparently. I have under S. sacchanata two sheets viz. Pringle's 2594 from Jalisco and Schaffner's 8 from San Rafael Nts, San Luis Potosi; they

are alike in every particular; I suspect Baker may be right in regarding Spirillum as a synonym, but I do not know. We have no spirillum, so-called.

Have you ever placed satisfactorily Pringle's 1978 and 3296? Dr. Palmer's material is very fine and quite ample for purposes of description; but I rather hesitate to describe it as new inasmuch as I know the Selaginellas so very poorly. Pringle's 3296, Dr. Palmer tells me, came from a point less than a mile from where he got his material last fall!

I shall be very glad to have any information about the thing.

I suppose Mr. Pringle is collecting some interesting things in Cuba, but haven't seen anything of his yet. I rather expect to spend a month or so in Jamaica very shortly, — am looking to it with pleasure. Sincerely yours,

Wm R. Maxon

U.S. National Museum
Washington, D.C.
March 4, 1903

SMITHSONIAN INSTITUTION

UNITED STATES NATIONAL MUSEUM

S. P. LANGLEY
SECRETARY, SMITHSONIAN INSTITUTION

WASHINGTON, D. C., March 10/903.

Mr. George E. Davenport,
67 Fellsway West,
Medford, Massachusetts.

Dear Mr. Davenport,

I am in receipt of your recent letter, in reply to my own relating to Palmer's doubtful Selaginella, and thank you for it. I will bear in mind your request for spare duplicates. It may be that I shall be able to send you at least a part of the collection.

Very sincerely yours

Wm R. Maxon

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S. P. LANGLEY
Secretary, Smithsonian Institution

RICHARD RATHBUN
Assistant Secretary, in charge of
U. S. National Museum

WASHINGTON, D. C., July 27, 1904

Mr. G. E. Davenport
67 Fellsway West,
Medford, Massachusetts

Dear Mr. Davenport,

In the preparation of a MS recognizing the claims of Adenoderris Jr. Sm. to recognition I have had occasion to refer to the fact that Polystichum has latterly been regarded as a valid genus by American authors. I was under the impression that you had recently taken up Polystichum in one of your papers, but I do not find the reference and it seems that I may be wrong in this. I should be obliged if you will enlighten me; and if you have not publicly recognized Polystichum will you give me your idea as to whether or not you are of the opinion that it should be taken up?

I am just back from a couple of months in Jamaica and have a number of new things, including a most anomalous plant which I am thus far unable to place even generically. Would you have time to examine a specimen?

Yours, very truly,
William R. Maxon

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UNITED STATES NATIONAL MUSEUM

S. P. LANGLEY
Secretary, Smithsonian Institution

RICHARD RATHBUN
Assistant Secretary, in charge of
U. S. National Museum

WASHINGTON, D. C., 9 Aug. 1905

Mr. G. E. Davenport
67 Fellsway West
Medford, Massachusetts

Dear Mr. Davenport,

In a small lot of ferns which came to me from El Paso County, Texas, not long ago there is a Cheilanthes that puzzles me exceedingly. It is clearly of the myriophyllum alliance, but appears to differ constantly in several important particulars. We have nothing at all like it in the herbarium. I should be glad to turn this over to you for description, if you are still working on this special group; but I should like you to see it in any event, if you are willing. May I send it on?

With regard,

Yours, very sincerely

William R. Maxon

Dear Mr. Davenport,

Your letter is just to hand & I hasten to extend my sympathy. I too have been having bad news from home; my mother has been seriously ill but is now improving.

I am obliged to you for putting me straight in the Texas fem. The joke is certainly on me & I feel rather "sheepish". However, (if there is any consolation in the fact) we all make mistakes at times; why I am ashamed to have made quite so bad an error. — I read your paper yesterday.

Yours sincerely
William R. Harper

Washington
Sept. 20/05

SMITHSONIAN INSTITUTION

UNITED STATES NATIONAL MUSEUM

S. P. LANGLEY
Secretary, Smithsonian Institution

RICHARD RATHBUN
Assistant Secretary, in charge of
U. S. National Museum

WASHINGTON, D. C., October 3, 1905

Mr. Geo. E. Davenport
67 Fellsway West,
Medford, Massachusetts.

Dear Mr. Davenport,

The sheet of Notholaena Aschenboriana was received yesterday. I wrote you upon the receipt of your postal of the other day, and am writing this merely to let you know that the plant is safely at hand.

With many thanks for your kindness I remain,

Yours, sincerely

William Maxon

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM
WASHINGTON, D. C.

December 27, 1906

Mr. George E. Davenport
67, Fellsway West,
Medford, Massachusetts

Dear Mr. Davenport,

Dr. Rose, upon his return from Mexico last year, handed me a small package of ferns gathered by him in Queretaro, asking me to give him the names as promptly as possible inasmuch as he desired to report on the collection at once to Dr. Altamirano who had accompanied him on the trip into Queretaro, and who had, I assume, collected jointly with him many of the numbers. Among the specimens were plants of a Pellaea which agreed perfectly with a portion of our material under cover of Pellaea Seemanni Hook. Upon further examination I found two very distinct species to be confused, under P. Seemanni; one the true Seemanni, described & figured by Hooker, - with gray stipes & rachis; the other, typified by Pringle 1443, 11271, 9284 (and a great deal of Dr Rose's recent collection). To this second series I gave the name ellipta

Rosei, n. sp., – having first assured myself that this species had never been separated, (distinct as it is!).

It seemed so remarkable to me, however, that no one should ever have called attention to this confusion, that I wrote to Dr Underwood, indicating briefly what I considered the very excellent characters of the two species; and I asked him if he could give me any additional light on the matter. He replied saying that he had separated the two years ago but had never published the new one. He said, also, that there was a MS note by you in the Columbia Herbarium calling attention to this confusion in connection with your final report on Palmer's 1896 collection.

Dr Rose collected more of this species during his last (1906) trip, & Dr Palmer has just brought back some additional plants from Mexico (1906).

Would you be willing to join me in describing Pellaea Rosei? There is no doubt whatever, in my mind, that the species is perfectly valid; & if I have your permission I should like to describe it in a paper I am preparing containing descriptions of a good

many novelties from the West Indies, Mexico & Central America. I think you will recall the matter, though your examination was made ten years ago; but it ~~will~~ surely will be plain if you have the opportunity of examining the material anew. I shall be glad to hear from you at your convenience.

With very best wishes of the season, I remain,

Yours, sincerely

William Rathbun

Replied to Oct. 1/97

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM
WASHINGTON, D. C.

March 12, 1907

Dear Mr. Davenport,

Your exceedingly kind letter of the 10th inst. is received this morning, and I take this earliest opportunity to reply. I have been delayed in preparing the MS of which the description of Pellaea Ricei was to form a portion. And I am sorry that, under the circumstances of your ill health, you should have felt it is the least incumbent upon you to give the matter any attention whatever. The species is a most excellent one, undoubtedly; and when I first learned that you were in doubt over it years ago (I now have a splendid series!) I felt that by right of "first discovery" it ought to be yours. Knowing that you had not been in good health of late years & had been compelled to give up much of your active work on ferns, I wrote to suggest the joint publication, — if upon reexamination you should subscribe to my estimate that the fern is really new. If you should be able to look the material over I would like, of course, to know your conclusion; but I shall not publish it over, — too many things to be done, and only one pair of hands to do them! (Also, only 24 hours in one day!)

The winter here, though not a severe one, has been tedious enough, & at no time more so than during late February and this early March. Several

lately when we have thought spring really here a small blizzard has come with four or five inches of snow. The snow doesn't last long; but the slush and ice do, and there has been a good deal of grip about. I sincerely hope that with spring you will enjoy better health, and I shall hope to hear so from you.

Now that Spring is really here, and the nasty weather about over with, I am to have an opportunity to go into the field, — missing April & May in Washington, the most delightful months of the year here. This work is to be in Cuba: On the 25th I shall go from Newport News Virginia to spend about two months in extreme eastern Cuba, going over Wright's old ground recently indicated by Dr Underwood. In addition I hope to be able to penetrate the higher Sierra Maestra which, I think, Wright scarcely touched; but the rains will be coming on very shortly, and the difficulties of collecting in the humid tropics are so great that with the limited time and funds at my disposal I cannot be sanguine as to results. It ought to yield a good deal in the way of ferns though.

Thanking you again for your letter & wishing you the best of health, I remain,

Yours very sincerely,

Marian Ramsden

Geo. E. Davenport, Esq.
67 Fellowship West
Medford Massachusetts

P.S. To Fr — Cupo-Chair &c —
have not more than time
Emma Hyatt is expected
here empty because we have
not succeeded in finding out
he thinks that it would
be wicked in us but of course
from the Society —
Yours &c W —

[illegible]

[illegible]

[illegible]

Peoria Ill Mch. 30th 1897

Geo. E. Davenport – Medford Mass

Dear Sir:

Will you kindly identify a fern I send you by to day's mail. It was sent to me by a friend who had been spending a season in Florida, with the remark that it grew "wild" there.

But I am inclined to think that there is some mistake about the plant growing "wild" I have carefully examined every authority on ferns, I have access to, and cannot find a description of a native fern that would fit this, so I finally appeal to you as an authority on this class of plants

Of course I do not expect the specimen to be returned I enclose

stamp for reply Hoping you
can aid me in this matter I am
Yours truly
Frank McDonald
911 Moss Ave

Peoria Ill. Apr. 22nd 1897

Geo. E. Davenport – Bedford Mass

My dear Sir:

I send you a few additional facts regarding specimens of Arisima adiantifolia – I sent you

Specimens were collected by Alice M. Miller, in the immediate vicinity of Myers Lee Co. Ala. in the month of March 1896.

She speaks of it thus "They grew about an outcrop of rock (limestone) Rocks are quite an uncommon thing about here

The leaf has an old wrinkled, beaten look, and very tough fibrous texture as though it had been growing several months. I did not see any fresh fronds at all around them."

I trust the information here

given will enable you to properly
label your specimens

Yours truly
Frank E. Lincoln
911 N. Ross Ave

Pictou, Sept: 19. '76.

Geo. E. Davenport:

Dear Sir, — I send you today by mail half a dozen specimens of C. gracilis & one of P. Hinkaii. For the former I rode out to the nearest station at which it can be found, Mount Dalhousie, last week. The specimens are very small, but if I took as many specimens more it would be exterminated from that locality.

of your spec. if you have any duplicates. As I have not a list of your duplicates, I would suggest that you send me a few by way of exchange, if not inconvenient, — say a few more perhaps such as Asplenium Virideo, or any not mentioned in Gray. Aspidium filix-mas, is native here — or rather in the Island of Cape Breton — it is found in the centre & North of the Island.

Hoping that my specimens will reach you in good order,

I remain Yours very truly,

A. H. Moore

I send you three tufts roots and all. They grew in the shelter of clefts in Conglomerate cliffs by the water. Hope you may be successful in rearing them, If not, I may be able to procure more healthy specimen next season from the falls in a deep ravine near Lime Rock. West River; where it grows more abundantly. It has been found as yet in only three localities, all of which are in Pictou County Nova Scotia.

Polystichum (Aspidium) Lonchitis, I have found in ~~the~~ natural Plaster of Paris pits, Aspy Bay in the Island of Cape Breton. I have only a few specimens with me, and the places so distant and inaccessible that it may be impossible to get specimens for some years to come, that accounts for my sending only <u>one</u> specimen of it to you. This fern has been discovered before north of Lake Superior, It is not described in any Text-Book, as yet, I believe.

I would like very much to get some

Pictou, N.S.
Oct. 7th 1876.

Mr. Geo. E. Davenport.

Dear Sir, – I am very much obliged ~~for~~ to you for the "ferns".

I hope you will pardon me for asking a few questions now. I send you a specimen of C. fragilis, from the locality from which the spec. named var. McKayii was taken. The spec. I sent you I observed to be Cystopteris fragilis, and didn't suspect any varietal dif. between them & McKayii. The variety was established only provisionally by Prof. Lawson, and that from a few specimens. I am quite aware that the species is liable to be found under very different forms – not ~~sufficient~~ sufficient enough to constitute varieties –

I have not yet happened
met with a form like C.
Mikayii. So as to more
certain about the matter I
send you a C. Mikayii which
I have had no doubt; and which
I would like to have returned
with the accompanying specimens. With it I send a
spec. of C. fragilis, from the
N.S.A., — the spec. bearing
the closest resemblance
to it of all those of my
collection, — and they are
quite distinct. I would
be very much obliged by your
opinion after an ex-
amination of these compared
with your specimens.

With regard to P. Hinkii
I am of your opinion, I sent specimens labelled Aspidium Lonchitis,
but had them corrected to P. Hinkii
On comparing them with the
description of A. Lonchitis, I thought
I did detect a difference. L.S.

"Fruit-dots near the margin" in
Gray's fifth Edn. The fruit-dots
are not ~~the~~ near the margin, they
are, if not midway, nearer the
rib of the pinnae. There are
other points of distinction, which
may be merely varietal.

As these spec. I send
are all I have I would
be obliged if after comparing
with yours, you would return
them.

Yours very truly,

A. H. M. Kay

Cars leave Ninth and Green Streets, Philadelphia, every hour.

Horse Cars connect with the cars in Germantown, direct to Upper Church Street.

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Germantown Nurseries,

THOMAS MEEHAN, Proprietor.

Office, Upper Church & Chew Sts., Germantown,

NEAR PHILADELPHIA.

Aug. 29 1883

Dear Mr. Davenport

I brought the enclosed
might interest you.

As I understand
the rocky spot on which
it grows is limited
in extent.

Yours

Thos. Meehan

Specimens of
Pteris (aquila?)
naturalized at
Torrington, Conn.
Gathered by James Morton.
Torrington, Conn.

This is the one supposed
last year to be P.
tremula.

MEEHANS' MONTHLY
CONDUCTED BY
THOMAS MEEHAN
FORMERLY EDITOR OF THE
"GARDENER'S MONTHLY" AND OF THE "FLOWERS AND FERNS OF THE UNITED STATES"
ISSUED MONTHLY
TERMS, $2.00 PER YEAR IN ADVANCE
PUBLISHED BY
THOMAS MEEHAN & SONS

GERMANTOWN, PHILA., March 20 1895

Mr. Geo. E. Davenport

H

My dear Sir,

Since our good friend Redfield died his daughter has sent announce to the Academy ferns you kindly sent to him. Please consider this as our acknowledgment. The future of this herbarium was very dear to his heart. If it will gratify you, I am sure to know, that it will be well cared for and any kindnesses you have formerly shown it, will still deserve a continuance of your regard. I have been asked by the Academy to prepare a memoir of his services to Botany and to the Academy. If you think of anything likely to help me, I shall be grateful.

I had thought to write to you on the appearance of the December "Gazette" about the Aspidium cristatum x marginale.

When Mr. Lemon was located in Philadelphia some years ago, ~~prepa~~ and I preparing "Flowers & Ferns" of the United States, I had him paint for me a "marginale" which approached "cristatum". I found

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that it had often been ~~found~~ collected by botanists around Philadelphia, and there is a specimen in the herbarium gathered by Nuttall, and labeled "near Spring Mills" after a careful study by Mr. Rehder and myself we concluded that it was but an ~~abt~~ aberrant form of "Marginale" and in the chapter I wrote to go with the drawing, I have so stated. These old drawings and chapters are now being used by my sons in their "Meehans' Monthly", and I notice that they have it in their list to appear in the December issue of this year. A careful examination of the venation in this & Marginale shows that a trifling extension of a vein makes all the difference in the form, and there seems little need to resort to hybridity at this to account for it.

Very truly yours

Thomas Meehan

Director Bot. Gardens
Acad. Nat. Sciences.

Cambridgeport
Jan 27 1876

Mr. Geo. E. Davenport
Dear Sir
Many thanks
for the "Gracillima" which I shall
do my best to make grow and
also for the Out Door ticket I
shall look in the first minute I
have to spare. I have just seed
plants of Poly Scouleri from Coast
range Cal and can send you
fruitful fronds if you need —
I find I have a plant which
I have called Poly. Califer. but
which differs somewhat from others
Hooker (Synop Fil) says P. falcatum

Rel.º (P. glycyrhiza Eaton) a Californian variety with the pinnæ finely toothed and narrowed very gradually to an acute point

You will notice that the larger of the two fronds answers somewhat the description and is quite different in shape from the small one which I take from an other plant —

Yours Re'

J Norman Menzies

Manchester Mass
June 4 1876

Mr Davenport

Dear Sir

I thank you for the fine specimens of Asp. Crist var. Clint. It differs very widely from a plant which I had in my green house and which Dr Gray called Asp C var Clin. I feel very much indebted to you for the "Flora of Medford" I have read it with much interest and found it to contain the best description of Am ferns I have ever seen. It shows its author to be a close observer and a mosh

tramp through the Essex woods and Magnolia swamp with me You could take the 7.15 or 11.15 a.m train from B and I would meet you at the Manchester Station and we would have "a day of it" and you could return at 5.10 P.M. — I could show you some choice spots and you would find some things that I have overlooked I do not doubt —

I think there is the most wonderful variety of the flora of this vicinity that I have ever found near the ocean — I have been from home a large share of the time this Spring and found little time for my ferns and now turn toward them with sharpened appetite Yours Res^ly J Warren Merrill

careful and hains taking lover of the flowerless beauties, I shall cut the articles out, paste them in a book and consider them my best help in this line of study —

I notice that you say that you never saw Cyp Polypterus growing in a marsh. I think you must mean a salt marsh, for my impression is that its choice location is a fresh water marsh as distinguished from a swamp and that it has long stems in the latter locality only, where it pushes up its head through the shrubs and rank vegetation to get at the sun which it must have. But I shall look this up more carefully — I could enjoy a "field day" with you in this vicinity very much, for these chill times can't you spare a day for a

Cambridge Oct 27/76

Mr. Geo. E. Davenport
Boston

Dear Sir

Thanks for the root of Asp. Aculeatum Var Braunii

I was much disappointed that you did not give me the day at Manchester I have been building there this summer and did not do much field work, but would have been glad of a day with you—

I have inspected a considerable number of new and rare ferns from London and some are now growing well I shall be glad to show them to you at any time

Yours R.

J Warren Merrill

Over

I find no description of Var Braunii in my books, is it the same as Asp. A var squarrosum Don or nipo-barbatum Wall? What are the peculiarities of the variety — J.W.M —

400 Broadway
Dec 21 1876

Mr Davenport

Dear Sir

I have engaged this afternoon in the attempt to name my Nothoscordons and Cheilanthes and give it up in despair –

They run so into one another and are so various in fronds on the same plant that I cant decide.

Will you lend me a set of fronds which are correctly named? I will take good care of them and return uninjured –

Yours Re:

J Warren Merrill

Batavia Jan 1/77

Mr. Geo. E. Davenport

Dear Sir

I did recd your package of specimens and should have acknowledged it at once. It has already been of much use to me and I want to thank you for this and for the Ch procidunia recd this morning.

I should be much pleased with a root of Poly falcatum Hell., the existence of such a plant having always been a matter of doubt with me. Reciprocating your kind wishes for the new year I am

Yours Rs

J Warren Beede

Manchester Mass
May 26/77

Mr. Geo. E. Davenport

I enclose fertile frond of a fern sent me from Southern Utah as Ch. lanuis. I suspect it is Woodsia oregana, Eaton but I have no description of that variety Can you give me a copy of Eaton's description

Yours Res

J Warren Merrill

77 State St
June 6 1877

Friend Davenport

I enclose 2 francs Ch
Fendleri 2 Ch ? 1 Ch ~~Gatmi~~
Clevelandii

Taken and sent in haste

Yours Ri
J Warren Merrill

6 Fendleri
6 magnifolia
4 Nuttallorum Newberryi
G. E. D.

Manchester by the Sea —
July 5th 1877

Mr. Geo. E. Davenport
Boston

Dear Sir

I am as much in doubt as you are about Prof Eaton & Myrica — I have noticed that nothing is more constant about ferns than color under the same circumstances

For instance in Florida the Aspd Cristatum var Floridanum has a peculiar and indescribable green one of the most beautiful I know of in the whole range of the vegt kingdom — This green is somewhat changed under glass at the most but every specimen is changed. Now the whilst

green plant that Eaton calls Ch. My. is not Fendleri or my rule about colors of gems, has a most marked exception –

I was at the Horse Rooms Tuesday looking at the specimens you have marked Ch. Cooperii, and they seemed to me to be Ch. Vetula gem plants – Mr Hitchings was present and at first night he declared they were not Cooperi but after further examination said they might be gem plants but that some specimens just rec'd by him from Mrs Cooper were quite unlike them

Yours Ri
J Warren Merrill

I would like a day with you and Mr Robinson in Manchester of all things

now than ever before —

I have no specimen of A. Corpenii. I want to talk with you about color in ferns and "ciliated hairs" but have not time enough now to write —

I send you herewith some fronds which Mr Gilbert sent to me for names, and of which I am in some doubt — Will you please name what you can without trouble and send them to him in the envelope which I enclose —

If I am not mistaken one of them is Asp. Floridianum and I think the bit of fertile frond belongs to it. One perhaps is Asp. Ulmiform?

If you desire to do so go over to Cambr and see the several A. & c and say to Mr G that I authorized you to take fronds where they can be spared. —

Yours Res'

J. Warren Bennis

Manchester by the Sea
July 21 1877

Mr. Geo E. Davenport
Dear Sir

Many thanks for yours of July 5 and a more recent one without date.

I did hope to get a day with you in the swamps and on the hills of this vicinity, but the only day this week which I could go I could not get word to you in season. I found in one swamp Pol. vulg. Pteris aquil. Phys. polypodioides Wood. Vig. Asp. F. F. do mich — Asp. thely A. Nov. — A. spin. A. dil. A. ins. A. B? A. Cristatum A. clint? A. marg. Onoc. sen. Dick. pinn. Osmundas all kinds. I am told that Opl. vul. has been found there but I did not find it —

I am not sure that I know

A Chlorocanum —

I leave on Monday for Waterville near Lake Moosehead — & I shall be gone 10 days — on my return I hope to have a field day —

As to the Cheilanthes Myrsph — I think it was sent to me from the Sierras Nevada and I have no doubt that its present form of growth is normal — The Ch Fendleri was found by Mr Merriam on Grand Mt near Hamilton Colo and I had an opportunity to see its native state — and it is not changed where I grow it — The Ch M grows close to it, in the ground among stones — All these rock ferns among the mountains start and grow luxuriantly with the melting of snow and the spring rains and when the hot dry weather comes they curl and dry up more or less and if not too dry are revived by a shower

My microscope shows the difference which you mention but a glance at the live specs is more decisive

I will save a full suit of fronds for you and the Societies herbarium

Did Dr Cleveland send you C Myrsp for Ch. Clev.? My Ch Clev has no scales but is covd on the back and more or less on the front with a kind of flat twisted, narrow, transparent, whitish hairs or scales — Ch Eatonii has much the same covering on the back but scales on the rachis &c

Have you noticed the plate of Ch viscosa in Low Vol IV page 59 and description pg 60 This is a Mexican fern and perhaps is what you propose to call C Viscida — this viscid hairs agree — If so I have it growing in my house — if not I would like a few plants — It has been a very hard plant to grow but is doing better

Manchester Aug 25 1877

Mr. Geo. E. Davenport
Boston
Mass

Many thanks for the frond of Ch Corsica I am glad to have a specimen in my herbarium – Thanks also for the plants you took to Camb.[d] I am glad you to the Asp Ulmum &c I sent home a number of each for the purpose of exchange. I will see that you have the other fronds which you desire

I send you a frond of what I supposed to be Woodsia obtusa. Hooker describes as follows frond broad-lanceolate I should say narrow lanceolate or simply lanceolate — he says pinnae this is distinctly bi-pinnate on a large share of the frond not as he says the "lower" pinna "again pinnate" – Sori solitary in each tooth or lobule and near the sinus. You will see that there are two or sometimes three on each ultimate segment and not near the sinus

He says the pinna are deltoid, ovate – they do not approach an ovate shape but are distinctly deltoid – Again he says the pinna are obtusely attenuate I dont think there can be said to be obtuse anyway Is his description bad or is this an other plant I found it in sand near my

house. I enclose also one other frond which I cannot name. It grows in cracks of overhanging rocks close to the sea –

Yours Ever

J Warren Merrill

Aug 30 1877

Mr. G. E. Davenport

Dear Sir

Much obliged for
yours of Aug 29.

I am now expecting to go to Colorado Sept
10 to 15th and shall be very
much obliged for memo of
location of ferns &c.

Yours Rs

J. Warren Merrill

Cambr. Jan 15/78

Mr Geo E Davenport

Dear Sir

No one so willing to share with a friend as you are will ever try my patience in asking for a bit of anything I have in duplicate --

At your suggestion I send a root of the Fern which you thought to be Nott Parryi to Prof Eaton

I have not been able to make it out as a Nott. Is it not a mere Ol. Cunninga? I send a little of it

I also send a fertile frond of Aspidium cyrtophylla which I have been a long time in securing for you -

The rock fern came from the Utica flats above the Falls at Manlius - and I think I found the same in Williams Canon when there before.

and you called it then Pangi

Yours Ri

J Warren Merrill

Mr Geo. E. Davenport

Dear Sir

I sent you last evening a specimen of the doubtful fern which I brought from the Ute pass. I could not then find the one I wanted to send you, but to day my clerk has found it I send you now a frond from a clump which I had wet and pressed I have examined it as closely as I know how with my old eyes and I cannot make it out as anything but C. lanuginosa. On removing the tomentum the margin seems to me to be recurved - The hairs are jointed or as Eaton says about lanuginosa "articulated" In short it seems to me a small growth of C. lanuginosa - There are two points that seem to favor N. Pamii - The black sporangia and the dense covering above of entangled hairs -

It is wonderful how well Eatons descrip^n of Ch. lanug. in Ferns of N.A. agrees with Dr Parry's ~~of~~ N. Panjii in Am Nat Vol 9 June 1875.

I would like very much to see an undoubted frond of ~~the~~ N. Panjii

Shall I trouble you to return this frond as it belongs to a clump that I have pressed for my herbarium

Yours Res

J Warren Merrill

Jan 17/78

Manchester Mass
July 20/79

Mr. George E. Davenport

Dear Sir

Yours of 18th at hand. I am obliged to go to Waterville Me on Monday 28th and cannot get back till Wednesday at 12 o'c. Can you not spend Thursday with me? if you will let me know I will meet you at the Depot in Manchester at the train which leaves Boston at 7.15 a.m.

Yours Resp

J. Warren Merrill

Manchester Mass
June 29. 1882

Mr. Geo E. Davenport

Dear Sir

I recd the enclosed from a correspondent in So Cal.

Will you be kind enough to name it for me as I have no specimens or books with me - and do not feel quite sure that I know it.

Yours Res.

J Warren Merrill

Manchester July 1 1882

Mr. George E. Davenport

Dear Sir

The Fern from Calⁿ seems to strike you as it did me. The first thing I noticed was the peculiar intense green color which is unusual in the cheilanthes. I have only one other frond which is a fresh new one and of which I sent you a pinna. I expect to receive in a day or two one or more plants and will show them to you. It was found high up in a lonely canyon

Yours Resᵗ

J Warren Merrill

Manchester July 1/82

Mr. G. E. Davenport

Dear Sir

I enclose a root of the fern from Cal.ᵃ The foliage is poor but it is the best I recd. I came to the same conclusion that you did. You need not return this specimen I am much obliged for the specimen of O. nudicaule.

Yours Resᵗ

J. Warren Merrill

Topeka Kans. Feb. 20. 1896

Prof. Geo. E. Davenport.

Dear Sir.

Your very kind reply to my inquiry made through others for the name of the fern I sent for identification, was gratefully received some time ago and would have been acknowledged sooner but that I have been to ill to attend to it and am still able to be up only a part of the time. I am very glad to be at last sure that it is one of the forms of A. sinuata. I have no microscope and all my work must be done with

the aid of a magnifying glass.
It is the only fern however that I have ever had any difficulty in identifying. The Gymnogramme I send is not so good a specimen as I wish it was, but it is the best with root attached, that I have. Thank you for calling my attention to the fact that Underwood gives Klotzsch as authority for that name.
(Gymnogramme Ehrenbergiana)
As you kindly offer an exchange of ferns I will ask for specimens of Aspidium fragrans and Dicksonia pumetiloba if you have them to spare, I will be very glad to get them. Very sincerely.

Mrs. A. H. Merrell. 1019 W. 6th St. Topeka Kansas

2916 Eoff St. Wheeling,
W. Va., Apr. 9/79

Dear Sir:—

Your favor of the 5th inst. is at hand. In reply I send you the only specimens I have of the A. Trichomanes of which I wrote to you; also the only specimen of Aspl. parvulum of my collecting at Cumberland Gap, Ky. Besides these I send four pinnules of a Pteris which I take to be a form of P. aquilina L, var Candata, and I sent out several specimens of it this year as such, and I see that there seems to be some doubt expressed in the Lond. Bulletin for March '79 as to its being var. Candata.

I have but one pinna left and these pinnules are the basal ones. I think they will be

sufficient to enable you to decide whether I am right or wrong in my determination.

The specimens were collected near Manchester, New Jersey, by my friend and colaborer, Prof. G. Lutkenberg.

I should like to have all the specimens that I send you today returned, as they are all I have from the particular stations in which each was found.

I think I shall be able to get more of the A. Trichomanes, but am not sure, as there was but a little of it, and on but one large rock.

Shall be glad to hear your views in regard to all these forms or species or varieties.

Sincerely yours
H. N. Mertz.

Hinsdale, N. H. Jan. 30.

Mr Geo. E. Davenport,
Medford, Mass.

My dear Sir: —

The ferns and Marsilias arrived safely this A. M. I am very much pleased with them all. Hope some time to find the varieties myself but it is a great help to see them. Thank you very much.

Si inclose stamps as I see I did not send sufficient.

Yours very thankfully—
Mrs. R. E. Metcalf.
Hinsdale
N. H.